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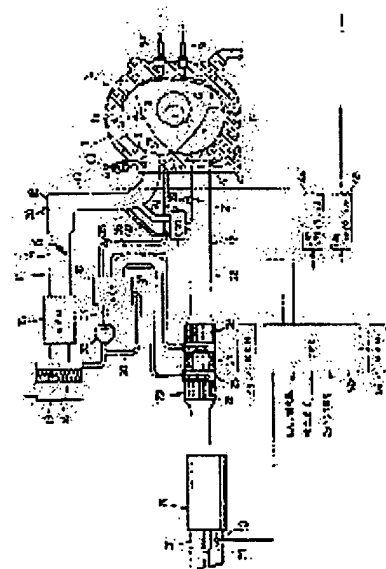
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## (54) CONTROL DEVICE FOR ENGINE

### (57)Abstract:

**PURPOSE:** To accelerate both of the purification of NOx and the purification of HC at the time of high exhaust gas pressure by controlling an unburned component abatement means so that unburned component is abated much more when an exhaust passage is small in area as compared with that of the time when the exhaust passage is large in area in response to the action of an exhaust passage area changing means.

**CONSTITUTION:** An exhaust passage area changing means 24 is provided, which increases and/or decreases the exhaust passage area of engine 10 in response to the operation of the engine 10, so that unburned component contained in exhaust gas from the engine is thereby abated. In this case, a abatement means is provided, which abates unburned component exhausted from the exhaust passage of the engine, and the abatement means is controlled by a control means so that unburned component is abated much more when an exhaust passage is small in area as compared with that of the time when the exhaust passage is large in area in response to the action of the



exhaust passage area changing means 24. The abatement means and the control means are made up out of a secondary air feed means 36 feeding secondary air in front of the catalyst 23 of the exhaust passage, and of a secondary air feed control means 50 controlling the feed of secondary air to be accelerated.

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## LEGAL STATUS

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